



INSTRUCTION MANUAL

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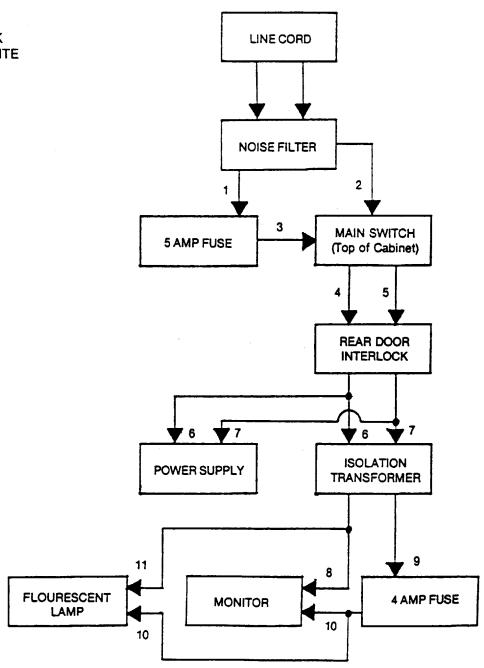
SUPER CONTRA: WIRING HARNESS

RE COLOR KEY:	Solder Side ←			→ Parts Side	
BLACK	GND	Α	1	GND	BLACK
BLACK	GND	В	2	GND	BLACK
RED	+ 5V DC	С	3	+ 5V DC	RED
RED	+ 5V DC	D	4	+ 5V DC	RED
	NOT USED	Е	5	NOT USED	
ORANGE	+ 12V DC	F	6	+ 12V DC	ORANGE
	*KEY	Н	7	*KEY	
BROWN/YELLOW	COIN COUNTER 2	J	8	COIN COUNTER 1	GREEN/GRAY
	(EMPTY)	K	9	(EMPTY)	
	SPEAKER (-)	L	10	SPEAKER (+)	
	(EMPTY)	М	11	(EMPTY)	
WHITE/GREEN	VIDEO GREEN	N	12	VIDEO RED	RED/WHITE
WHITE	VIDEO SYNC	Р	13	VIDEO BLUE	BLUE/WHITE
RED/YELLOW	SERVICE SW	R	14	VIDEO GROUND	BLACK
	(EMPTY)	S	15	(EMPTY)	
VIOLET/WHITE	COIN 2	T	16	COIN 1	BLUE/BROWN
RED/GREEN	2P START	U	17	1P START	PINK/YELLOW
BLUE/YELLOW	2P UP	٧	18	1P UP	ORANGE/WHITE
VIOLET/YELLOW	2P DOWN	W	19	1P DOWN	BLACK/WHITE
ORANGE/GREEN	2P LEFT	Х	20	1P LEFT	RED/GRAY
ORANGE/YELLOW	2P RIGHT	Υ	21	1P RIGHT	GRAY/WHITE
BLACK/YELLOW	2P SHOOT	Z	22	1P SHOOT	PINK/WHITE
ORANGE/GRAY	2P JUMP	а	23	1P JUMP	GREEN/BROWN
	NOT USED	b	24	NOT USED	
	NOT USED	С	25	NOT USED	
	NOT USED	d	26	NOT USED	
BLACK	GND	е	27	GND	BLACK
BLACK	GND	f	28	GND	BLACK

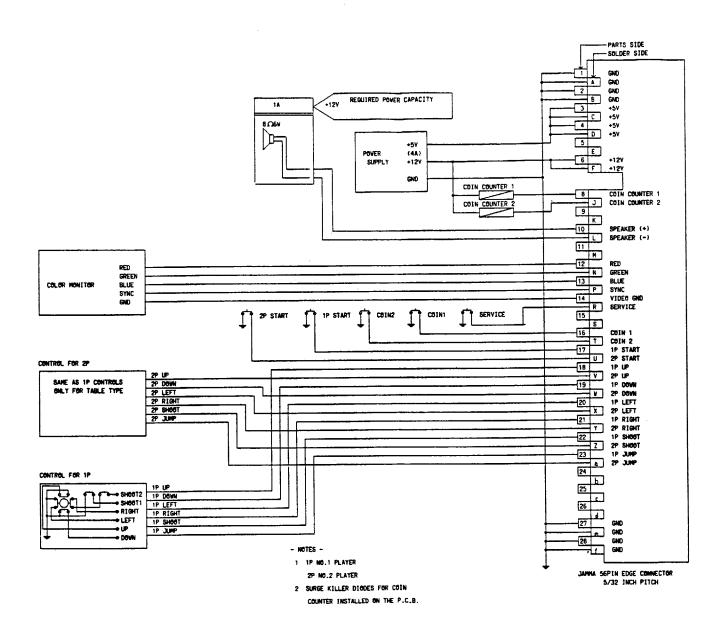
(BASE COLOR/LINE COLOR)

SUPER CONTRA: AC FLOW CHART

- 1. GREEN/YELLOW
- 2. BLACK
- 3. RED
- 4. BLUE
- 5. BROWN
- 6. RED/BLACK
- 7. BLACK/WHITE
- 8. WHITE
- 9. GREEN
- 10. VIOLET
- 11. ORANGE



SUPER CONTRA: WIRING DIAGRAM



DIP SWITCH SETTINGS

DIP SWITCH NO. 1 SETTINGS

1. COIN 1

sw	1	2	3	4	COIN	PLAY
•	OFF	OFF	OFF	OFF	1	1
	ON	OFF			1	2
	OFF	ON			1	3
	ON	ON			1	4
	OFF	OFF	ON	OFF	1	5
	ON	OFF			1	. 6
	OFF	ON			1	7
	ON	ON			2	1
	OFF	OFF	OFF	ON	2	3
	ON	OFF			2	5
	OFF	ON			3	1
	ON	ON			3	2
	OFF	OFF	ON	ON	3	4
	ON	OFF			4	1
	OFF	ON			4	3
	ON	ON			FREE	PLAY

FREEPLAY: You can play game without coins.

DIP SWITCH NO. 2 SETTINGS

1. THE NUMBER OF PLAYER'S LIFE

SW	1	2	NUMBER
	OFF	OFF	2
•	ON	OFF	3
	OFF	ON	5
	ON	ON	7

2. CHANGE OF TABLE/UPRIGHT

SW	3	TYPE
	OFF	TABLE
•	ON	UPRIGHT

3. BONUS LIFE

SW	4	5	BONUS LIFE
•	OFF	OFF	At 30,000 pts. and 200,000 pts.
	ON		At 50,000 pts. and 300,000 pts.
	OFF	ON	At 30,000 pts. only
	ON	ON	At 50,000 pts. only

4. DIFFICULTY OF THE GAME

SW	6	7	DIFFICULTY
	OFF	OFF	EASY
•	ON	OFF	NORMAL
	OFF	ON	DIFFICULT
	ON	ON	VERY DIFFICULT

2. COIN 2

SW	5	6	7	8	COIN	PLAY
•	OFF	OFF	OFF	OFF	1	1
	ON	OFF			1	2
	OFF	ON			1	3
	ON	ON			1	4
	OFF	OFF	ON	OFF	1	5
	ON	OFF			1	6
]	OFF	ON			1	7
	ON	ON			2	1
	OFF	OFF	OFF	ON	2	3
	ON	OFF			2	5
	OFF	ON			3	1
	ON	ON			3	2
	OFF	OFF	ON	ON	3	4
	ON	OFF			4	1
	OFF	ON			4	3
	ON	ON			VC	DID

5. SOUND IN ATTRACTIVE MODE

	SW	8	SOUND
		OFF	OFF
Ì	•	ON	ON

DIP SWITCH NO.3 SETTINGS

1. VIDEO SCREEN FLIP

SW	1	VIDEO SCREEN (Monitor)		
•	OFF	NORMAL		
	ON	UPSIDE DOWN		

2. CHANGE OF MODE

SW	3	MODE	
•	OFF	GAME MODE	
	ON	CHECK MODE	

3. CONTINUATION

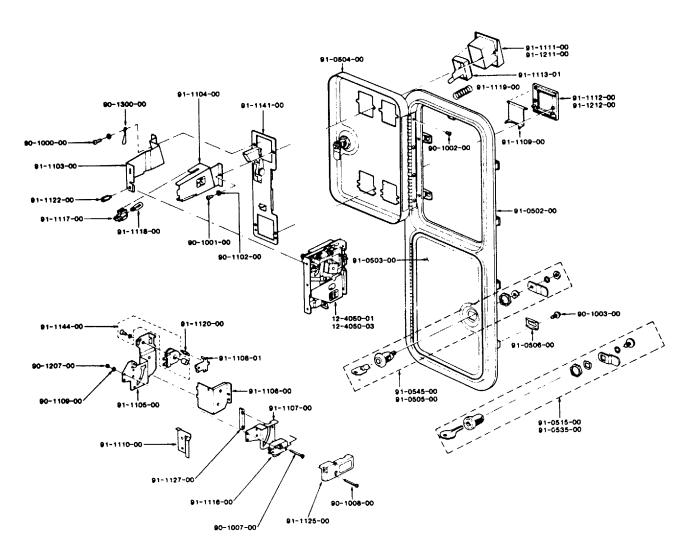
sw	4	1 PLAYER PLAY	2 PLAYER PLAY
	OFF	Up to 3 times	Up to twice altogether
•	ON	Up to 5 times	Up to 4 times altogether

SW2 is not used.

Shows recommended settings

COMPLETE COIN DOOR ASSEMBLY

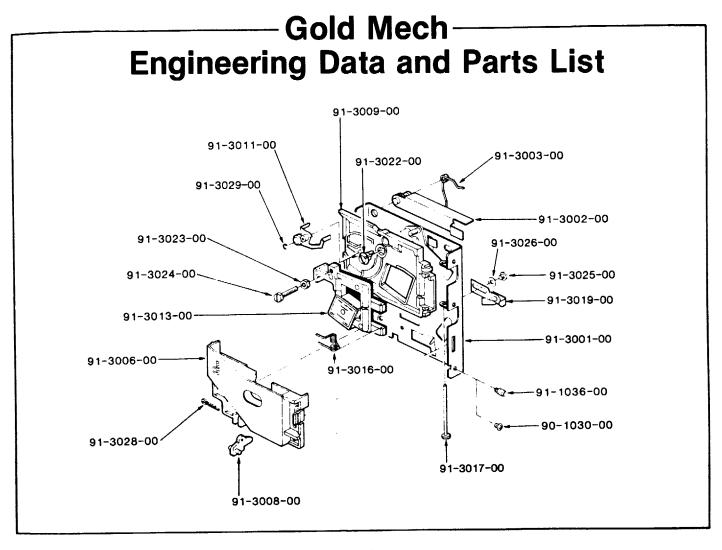
EXPLODED VIEW



D/	D.	LC	IST

	•						
12-4050-01	S-10 Acceptor Body	90-1102-00	Washer for Bezel	91-1103-00	Coin Inlet Lamp Side	91-1119-00	Buttton Spring
	U.S. 25*		Screw	91-1104-00	Coin Inlet Cover Side	91-1120-00	Lockout Spring
12-4050-03	S-10 Acceptor Body	90-1207-00	Nut for Microswitch	91-1105-00	Reject Cup Side Plate	91-1122-00	Retaining Screw for
	Canadian 25°		Mounting Screw	91-1106-00	Reject Cup Base Plate		Acceptor Body
20-4177-00	Plastic Cash Box	90-1300-00	Keyhook	91-1107-00	Microswitch Bracket	91-1125-00	Clear Plastic Cover for
20-4179-00	Steel Enclosure	91-0502-00	Zinc Die Cast Frame	91-1108-01	Lockout Flap U.S. 25*		Microswitch
22-1400-00	Locking Bar	91-0503-00	Lower Door	91-1109-00	Reject Flap	91-1127-00	Plastic Switch Adjuster
24-1150-00	Wire Harness	91-0504-00	Upper Door	91-1110-00	Metal Switch Adjuster	91-1141-00	Base Plate With Pivot
90-1000-00	Keyhook Bezel Screw	91-0505-00	Round Lock and Cam	91-1111-00	Black Button Bezel		and Stud
90-1001-00	Bezel Screw		Assembly	91-1112-00	Black Reject Bezel	91-1144-00	6 Volt DC Lockout Coil
90-1002-00	Hinge Screw	91-0506-00	Clamp	91-1113-01	Entry/Reject Button		Assembly
90-1003-00	Clamp Screw	91-0515-00	Flat Lock and Cam		U.S. 25*	91-1211-00	Zinc Plated Button
90-1007-00	Flat Head Microswitch		Assembly	91-1116-00	Microswitch (Black		Bezel
	Mounting Screw	91-0535-00	Flat Lock and Cam		End Arm)	91-1212-00	Zinc Plated Reject
90-1008-00	Panhead Microswitch		Assembly	91-1117-00	Lampholder		Bezel
	Mounting Screw	91-0545-00	Round Lock and Cam	91-1118-00	6 V Wedge Base Lamp		
	J				· · · · · · · · · · · · · · · · · · ·		

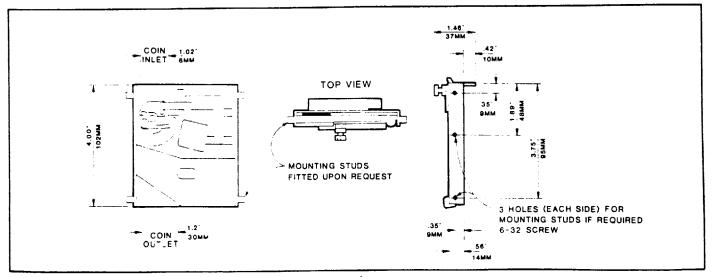
Assembly



PARTS LIST

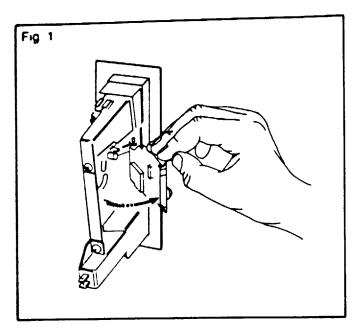
90-1030-00 Retaining Screw (#6-32"x.250") 91-3009-00 Gate
91-1036-00 Mounting Stud 91-3011-00 Cradle
91-3001-00 Back Plate 91-3013-00 Magnet Holder with Magnet
91-3002-00 Reject Lever 91-3016-00 Gate Spring
91-3003-00 Reject Lever Spring 91-3017-00 Gate Pin
91-3006-00 Cover Plate 91-3019-00 Separator
91-3008-00 Anti-Stringing Device 91-3022-00 Diameter Adjustment

91-3023-00 Locknut-Magnet Holder 91-3024-00 Screw-Magnet Holder 91-3025-00 Screw Separator 91-3026-00 Washer 91-3028-00 Cotter Pin for Anti-stringing Device 91-3029-00 E-Clip for Cradle



Gold Mech: Service Information

CLEANING and CARE of the MECHANISM



The magnet that is fitted to the mechanism, should be kept clean from foreign particles. The magnet can be cleaned by swinging the gate open. (as shown in Fig. 1.) Remove metal filings from the magnet by guiding the point of a screwdriver along the edges of the magnet, such that the filings cling to the screwdriver.

The mechanism can be cleaned by immersing in water using a small brush to clean the mechanism. Rinse the mechanism with boiling water and dry with compressed air.

Note:

Since the Gold Mech relies on coins passing the magnet at a constant speed, the rejector must be free of dirt and grease which may slow down the coins. Do not lubricate the acceptor with oil as this slows down coins.

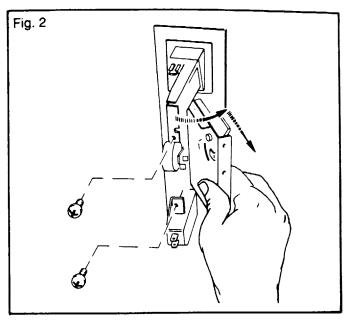
If the above procedures are not successful, check for worn, bent or damaged parts and replace where necessary.

Coin Switch

The coin switch comes in two different spring tensions—identified by the color of the plastic boss at the wire's pivot point.

Red: Light tension—U.S. 25°

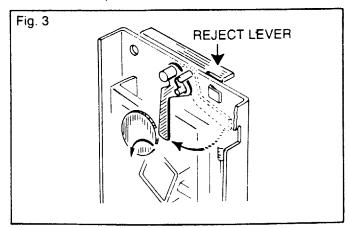
White: Heavy tension—heavy foreign coins



Removal of Mechanism

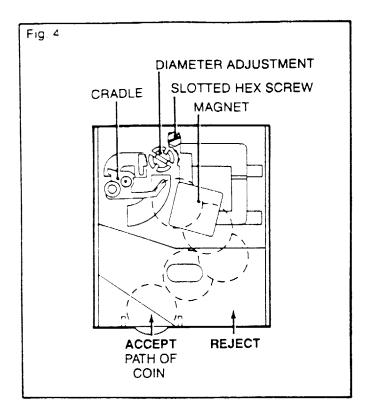
To remove the coin selector: Unscrew the two screws (as SHOWN IN Fig. 2)—swing rear of selector body away from the lock-out side and withdraw.

The Gold Mech Acceptors are designed to require a minimum of maintenance and field adjustment. Coins are checked by diameter and thickness, weight, metal content, bounce, and for ferromagnetic coins such as nickel and steel, a rim test is also used.



The Magnet

Coins that are too thick will fail to pass between the magnet and the backplate of the mechanism; and will be cleared by the magnet wiper when the reject lever is actuated. (Fig. 3)



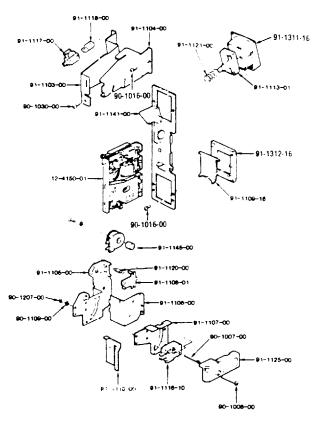
The first check on the coin is at the entry slot which prevents the entry of grossly oversize and bent coins. The next test is at the cradle. When the correct coin falls into the cradle, the cradle tipples and the coin is delivered to the magnet check. Under-diameter coins fall between the legs of the cradle and are returned to reject. Under-weight coins fail to tipple the cradle and can be returned to reject by pressing the reject lever.

Adjustment

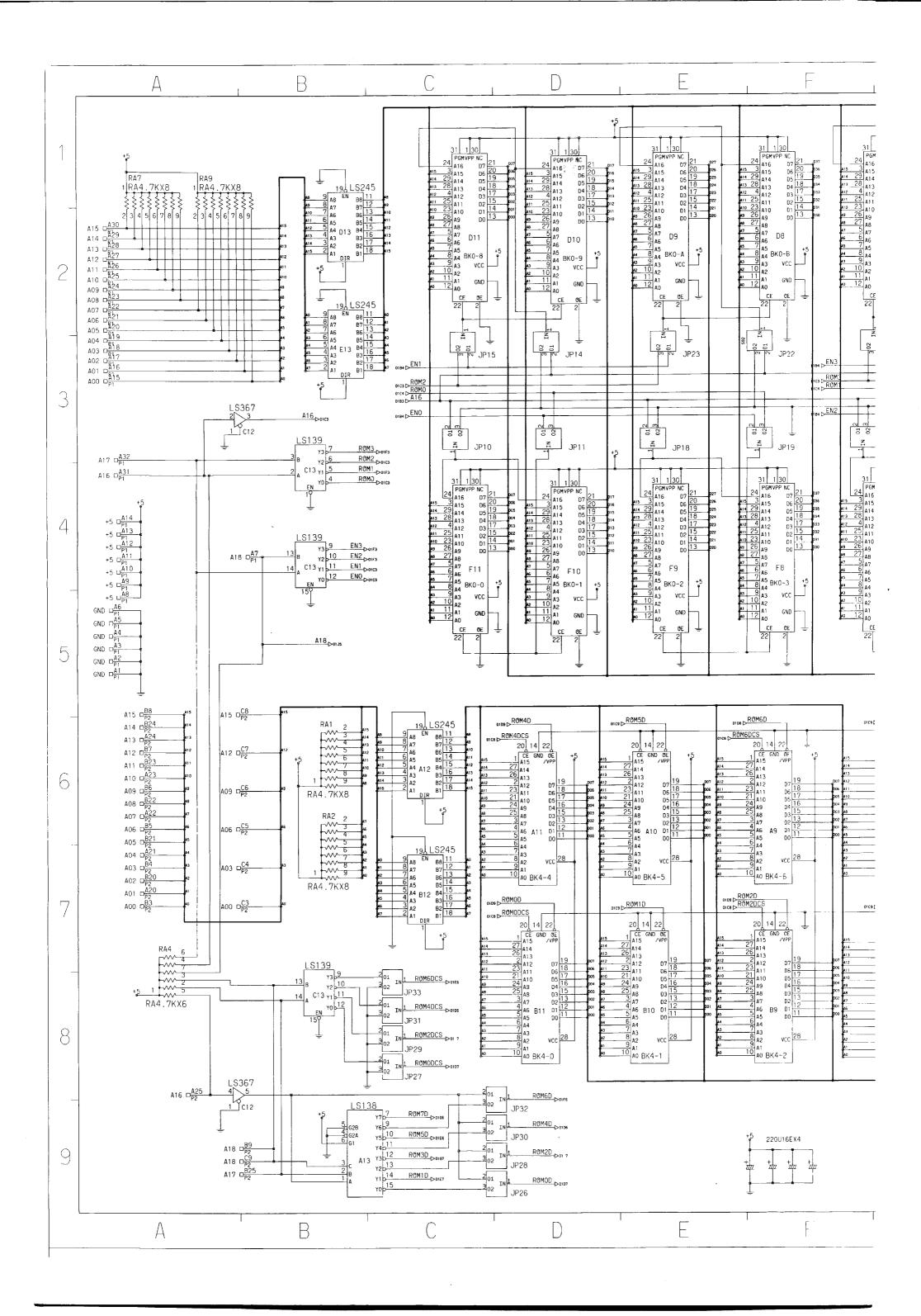
The Gold Mech Acceptors are factory adjusted for optimum performance. If more critical adjustments are desired, or if the unit has been disassembled, the following adjustment procedure is suggested. (Fig. 4)

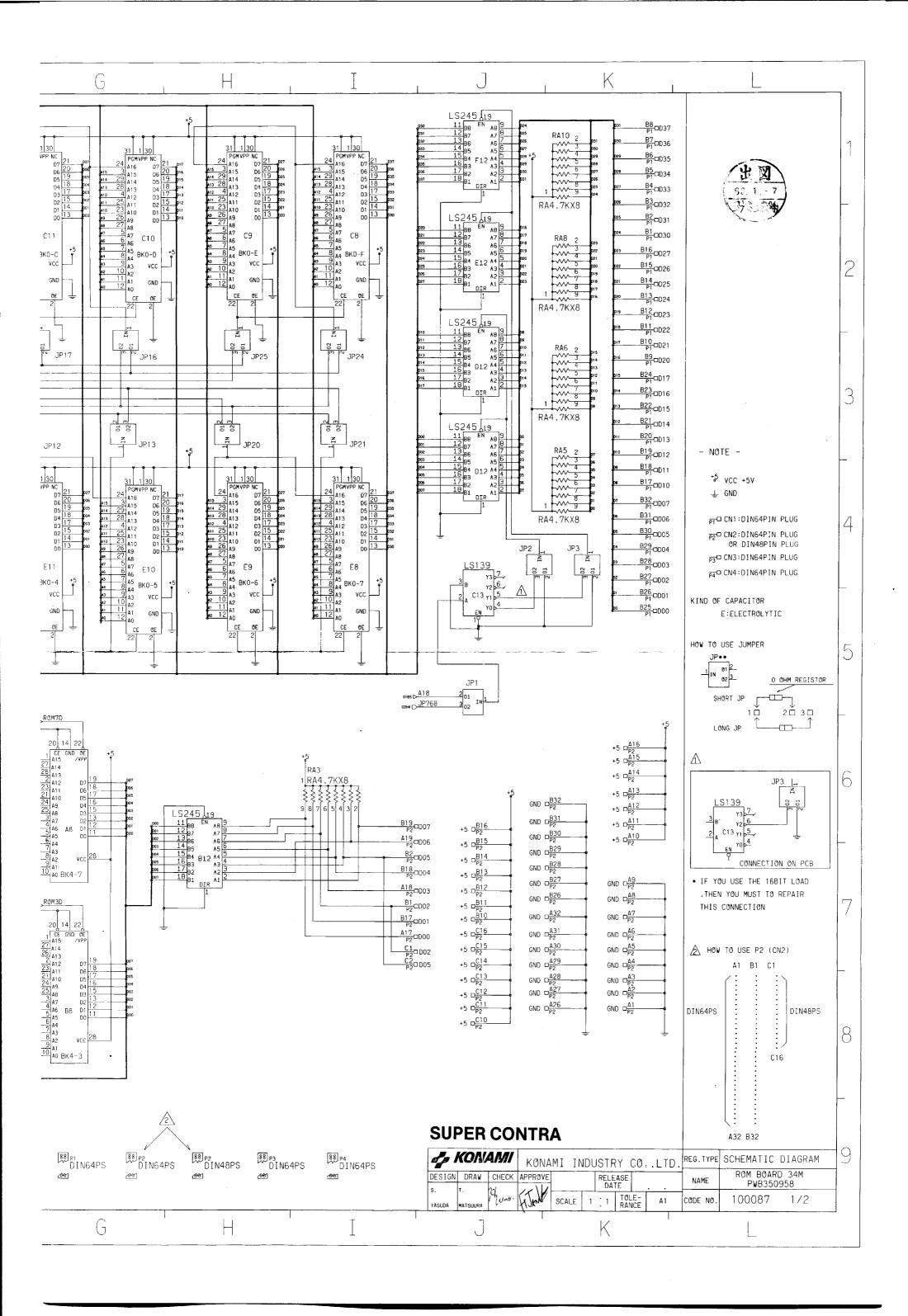
- 1. Ensure that the mechanism is in an upright and level position.
- Loosen the hex locking screw on the magnet holder and unscrew the slotted hex screw.
- 3. Place a true U.S. 25° coin in the mechansim. Turn the diameter adjustment (Fig. 4) clockwise until the coin falls into the cradle. The cradle should tipple and the coin come to rest on the side of the magnet. Turn the slotted hex screw clockwise until the coin just clears the magnet. Give this screw a further ½ turn clockwise for optimum clearance and tighten the locknut.

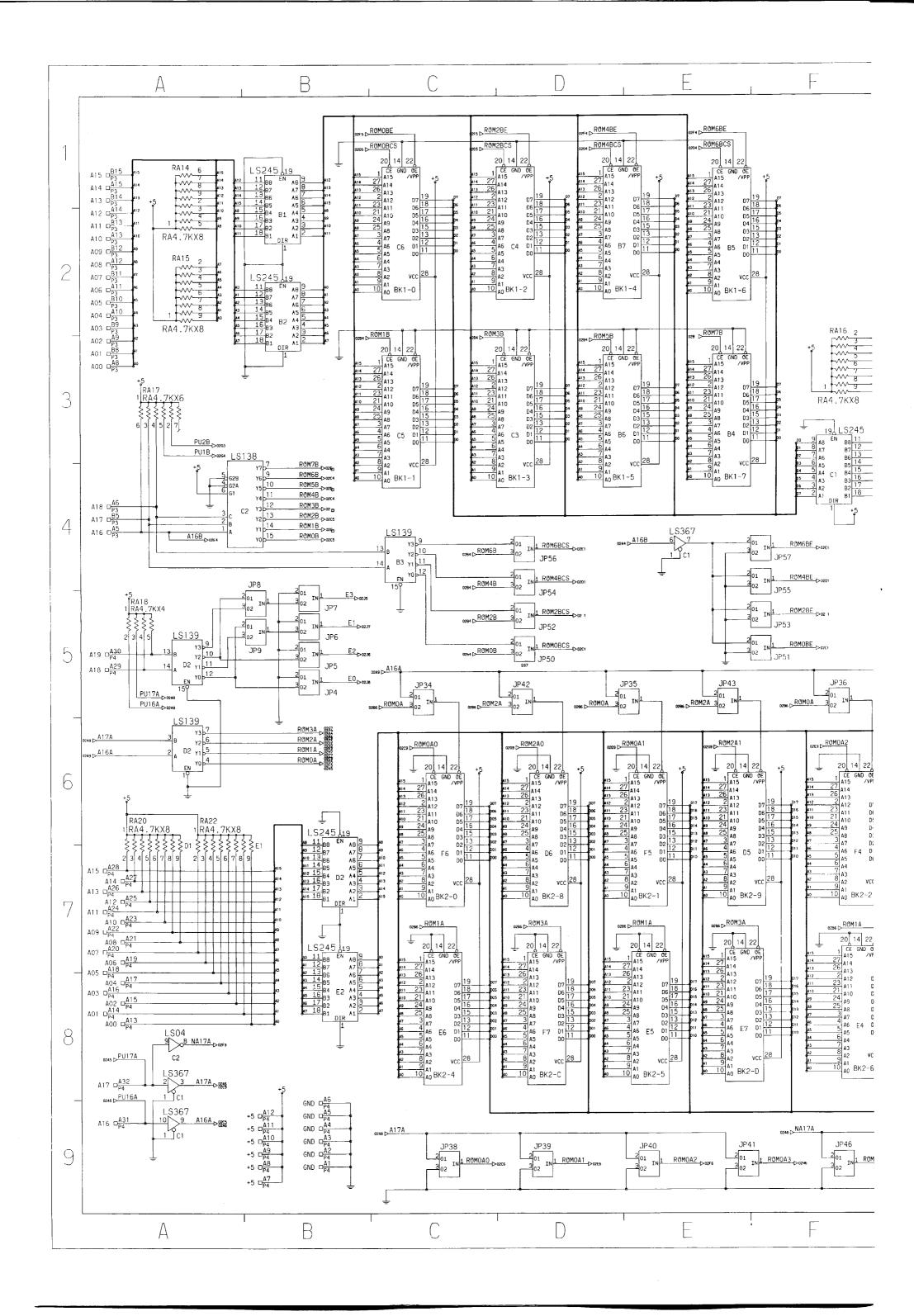
Base Plate Assembly for Coin Doors and Front Plates

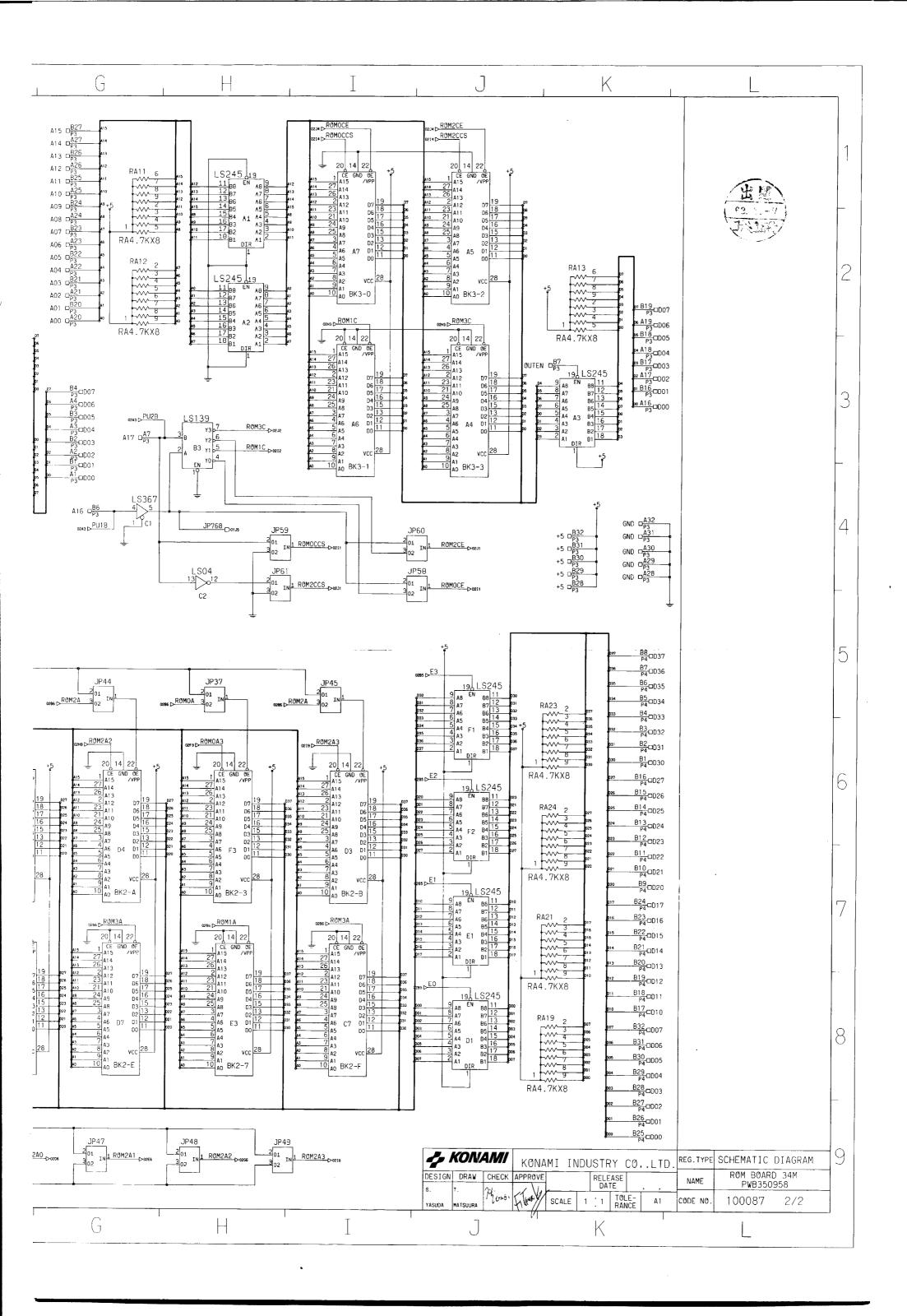


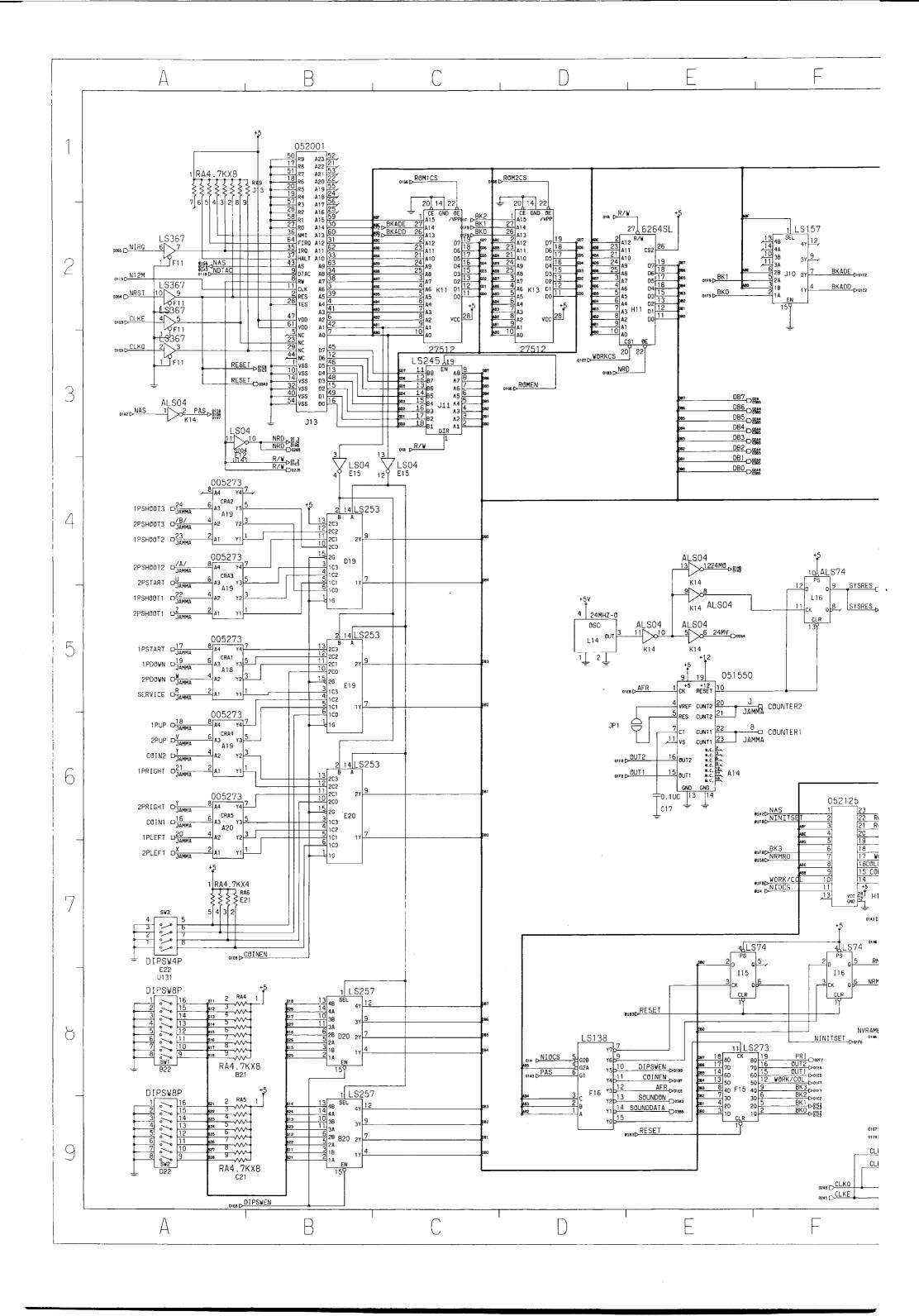
Part	
Number	Description
12-4150-01	Gold Mech Acceptor
90-1000-00	Keyhook Bezel Screw
90-1007-00	Flat Head Microswitch Mounting Screw
90-1008-00	Pan Head Microswitch Mounting Screw
90-1016-00	CPJS/Bezel Screw
90-1030-00	Mounting Screw for Gold Mech
90-1032-00	Bezel/Hinge Screw PZ
90-1109-00	Lock Washer for Microswitch Assembly
90-1207-00	Nut for Microswitch Mounting Screw
91-1103-00	Coin Inlet Lamp Side
91-1104-00	Coin Inlet Cover Side
91-1105-00	Reject Cup Side Plate
91-1106-00	Reject Cup Base Plate
91-1107-00	Microswitch Bracket
91-1108-00	Lockout Flap U.S. 25°
91-1109-16	Reject Flap
91-1110-00	Metal Switch Adjuster
91-1113-01	Entry/Reject Button U.S. 25°
91-1116-10	Microswitch (Red End Arm)
91-1117-00	Lampholder
91-1118-00	GV Wedge Base Lamp
91-1120-00	Lockout Spring
91-1121-00	Button Spring
91-1125-00	Clear Plastic Cover for Microswitch
91-1141-00	Base Plate w/Pivot Coil
91-1145-00	12V DC Lockout Coil
91-1311-16	Black Nylon Button Bezel
91-1312-16	Black Nylon Reject Bezel

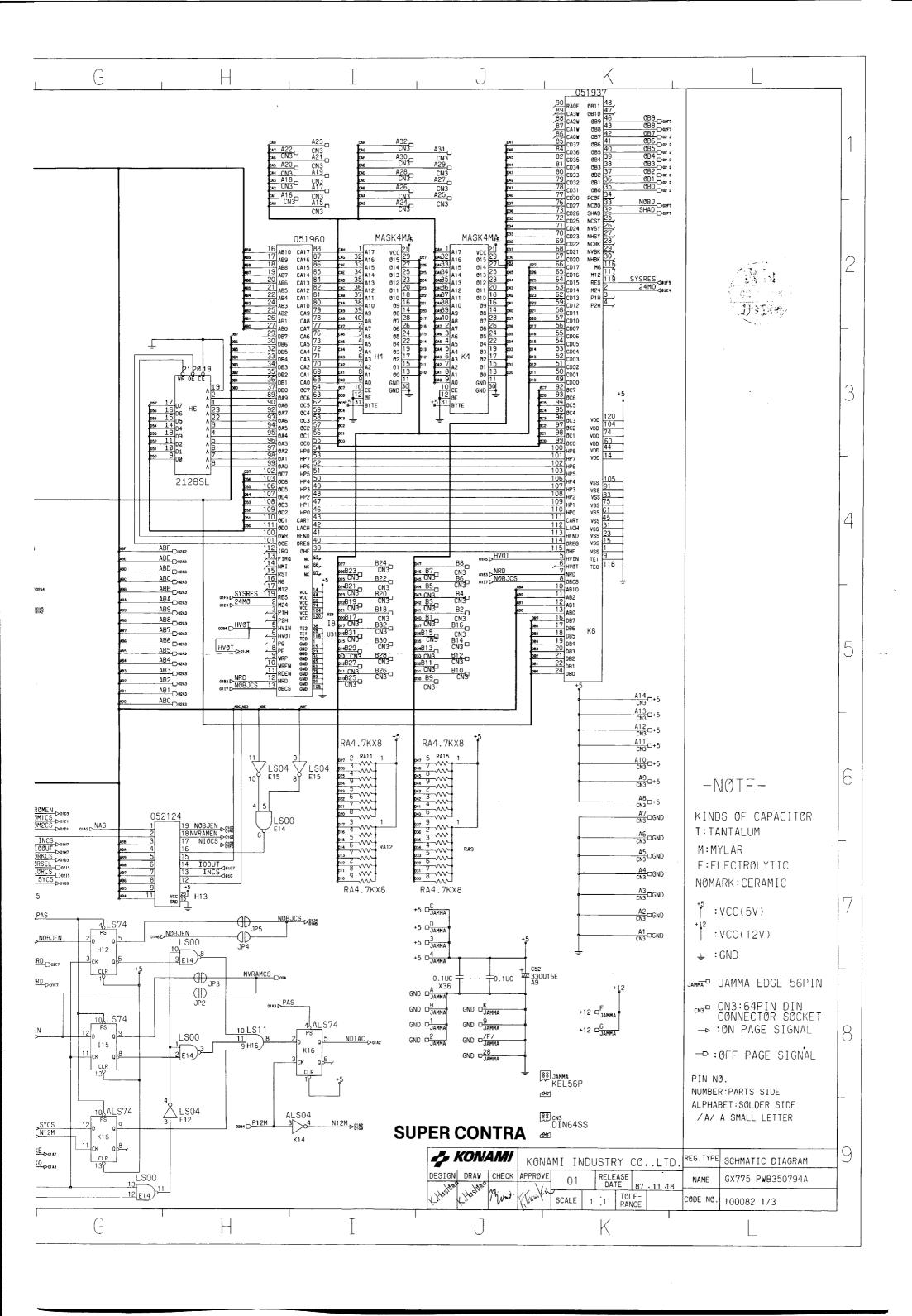


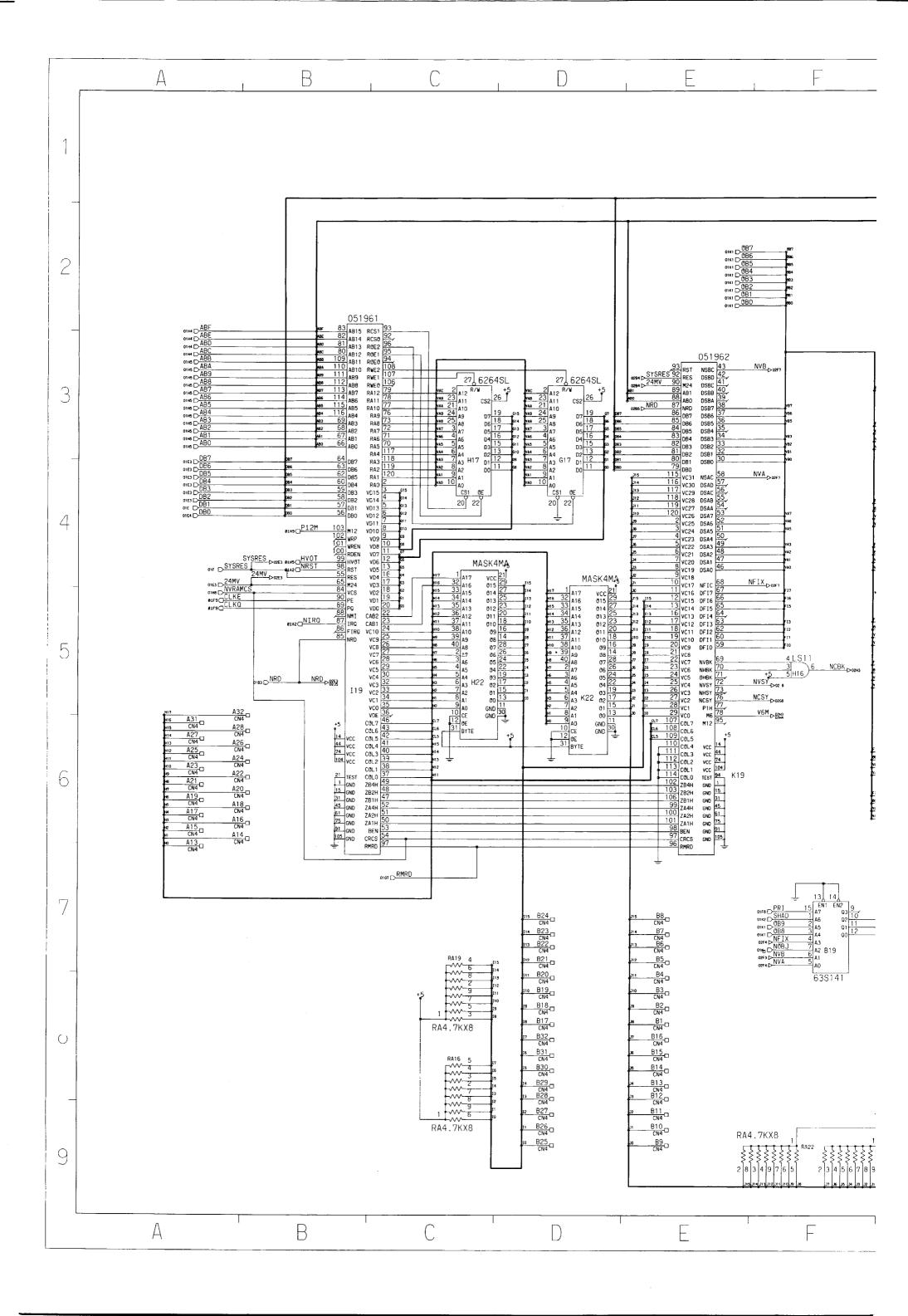


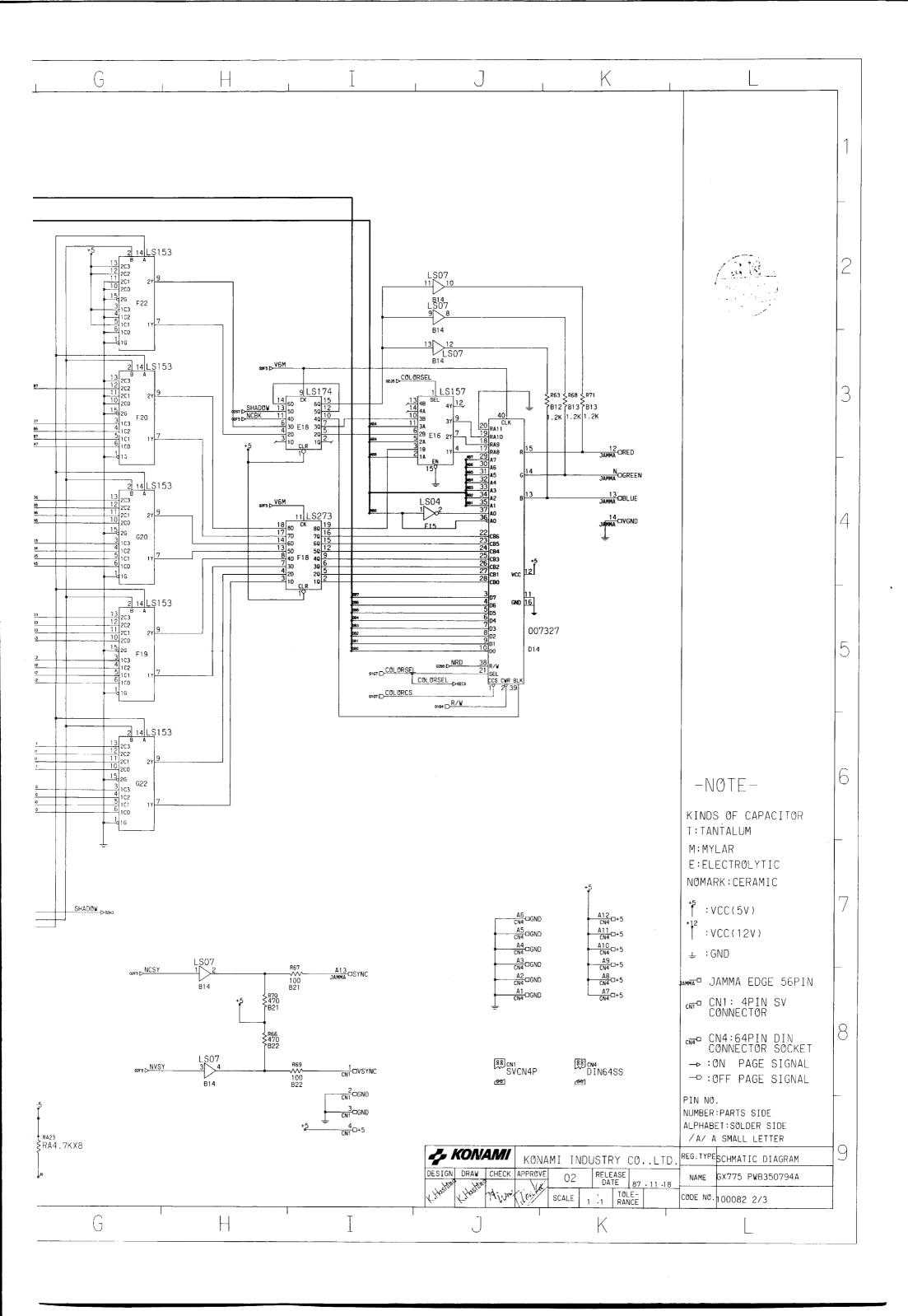


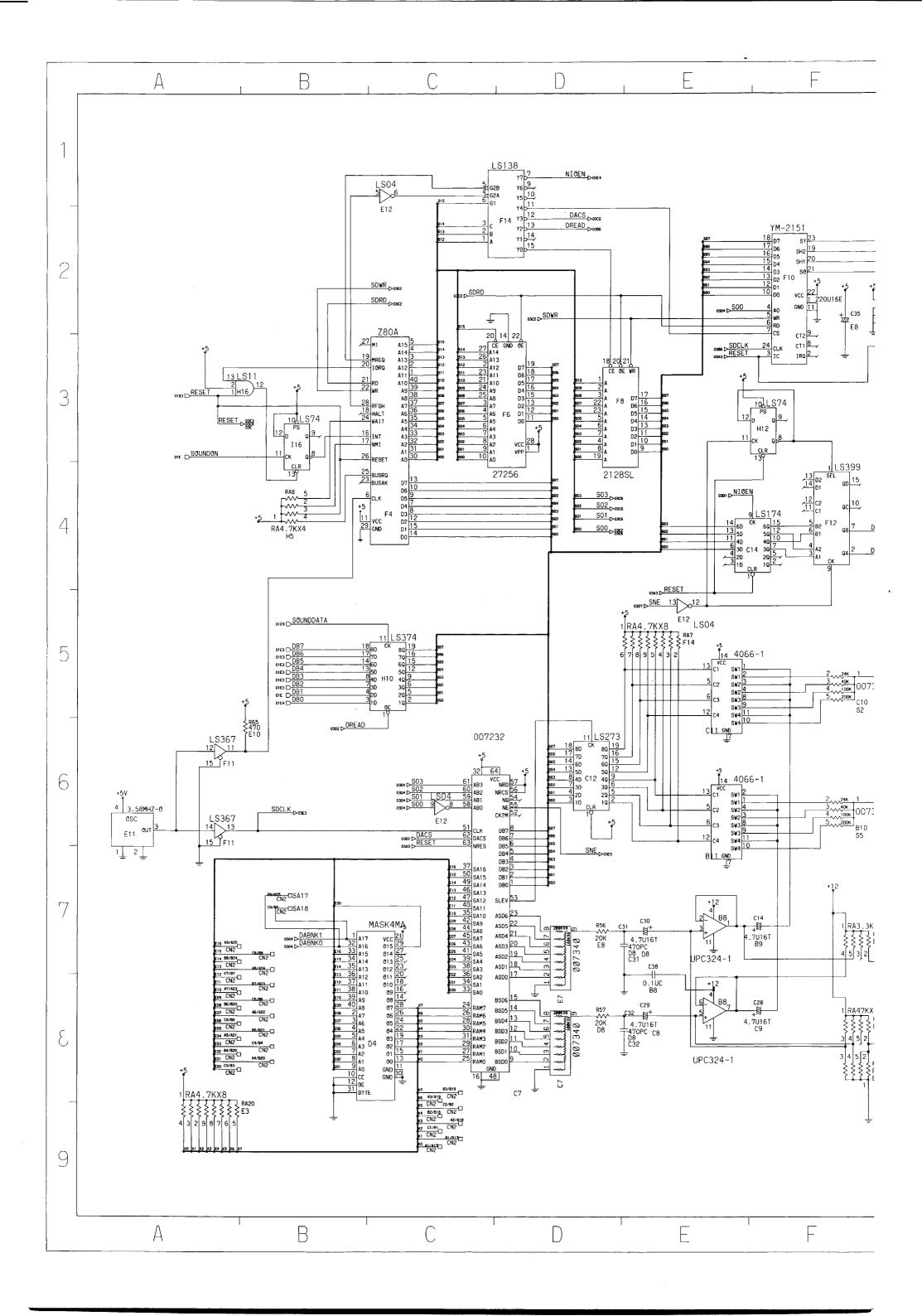


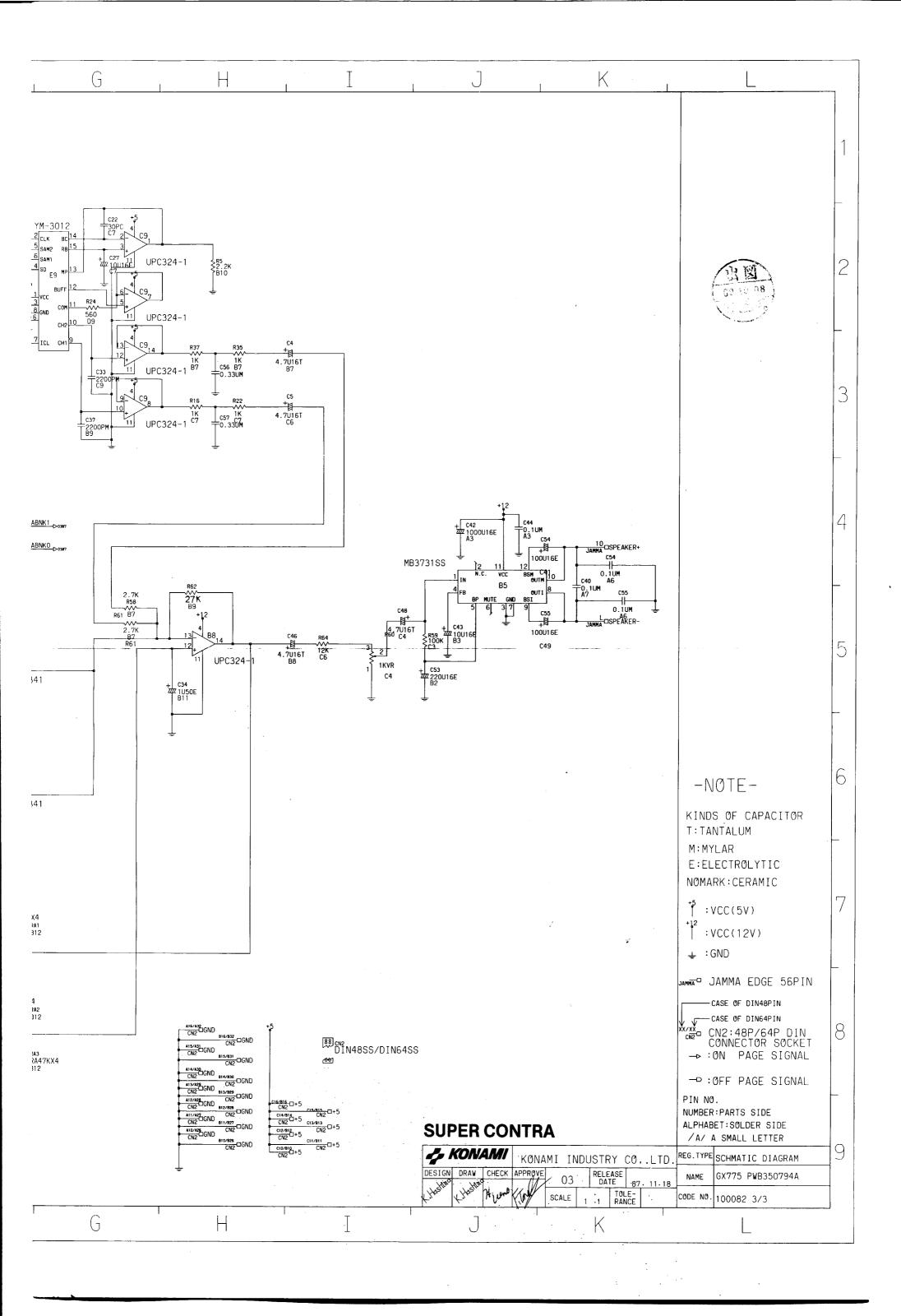












WARNING F. C. C. REGULATION COMPLIANCE

THIS KIT IS INTENDED FOR USE ONLY ON COIN-OPERATED VIDEO. GAMES MANUFACTURED AFTER OCTOBER 1, 1983 WHICH HAVE BEEN VERIFIED FOR COMPLIANCE WITH REQUIREMENTS IN PART 15 OF F.C.C. RULES FOR A CLASS A COMPUTING DEVICE.

IMPROPER CONNECTION OF THIS KIT OR CONNECTION TO ANY OTHER GAME NOT SO MANUFACTURED OR VERIFIED FOR COMPLIANCE MAY CAUSE UNACCEPTABLE INTERFERENCE TO RADIO AND T.V. RECEPTION, REQUIRING THE OPERATOR TO TAKE WHATEVER STEPS ARE NECESSARY TO CORRECT THE INTERFERENCE.

THE P.C. BOARD CAGE SUPPLIED WITH THIS CONVERSION KIT MUST BE UTILIZED AND TERMINATED TO GROUND AT THE TIME OF INSTALLATION.



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